PRODUCT INFORMATION

Hanwha Chemical (Thailand)

SOLURYL R-20B

Mid Tg Emulsion for Water-based Products

Features

- Let-down vehicle for water-based ink
- Good adhesion and re-solubility
- Excellent ink transfer and printability

Typical Properties

Appearance	Translucent emulsion
Molecular Weight	>200,000
Non Volatiles, wt%	48.7
Acid Number, mgKOH/g	55
Tg, °C	7
Density, g/ml	1.05
pH	8.5
Viscosity, cps, (25℃, Brookfield)	1,000
Freeze/Thaw Stability	5 cycles

Compatibility of Soluryl R-20B

Soluryl R-20B emulsion is compatible with a wide range of other acrylics. Dilution with glycols, glycol ethers and alcohols is excellent. It is advisable to pre-mix solvents before adding to the polymer to avoid any possible "solvent shock".

Recommendation for end-use

Paper coating and Let down vehicle for carton paper

Pigmentation

Soluryl R-20B emulsion provides good wetting and dispersion for both organic and inorganic pigments. As with all water-based carboxylated acrylic polymers, care must be taken with barium and calcium based organic red pigments as certain types can cause thickening. The best results are obtained by dispersing the pigments into Soluryl-70 and letting down with Soluryl R-20B.

Formulation Tip

Soluryl R-20B emulsion has very low foaming tendencies and excellent flow properties. Excellent printability and transfer by flexography and Gravure is accomplished with Soluryl R-20B formulations with proper defoamer selection and only small amount of defoamer are needed when formulating. In case of resolubility problem, it is advisable to add 0.1-0.5% of amines or glycols with high boiling point, or to mix with 10-15% of high Tg emulsions.

Safety Information

Soluryl R-20B is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury and chromium compounds. And raw materials for Soluryl R-20B and our manufacturing process do not include any hazardous or regulated materials.